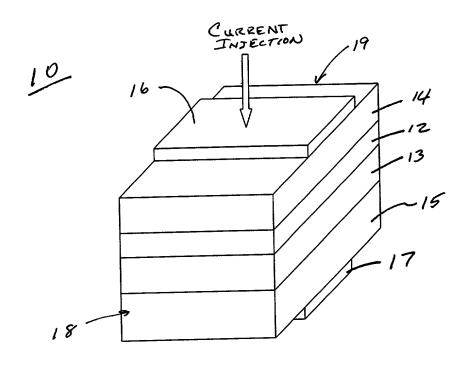
Yong MA 1 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Fig. 1



Yong MA 2 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Fig. 2A

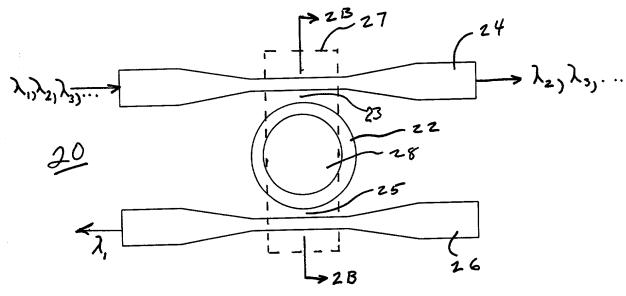
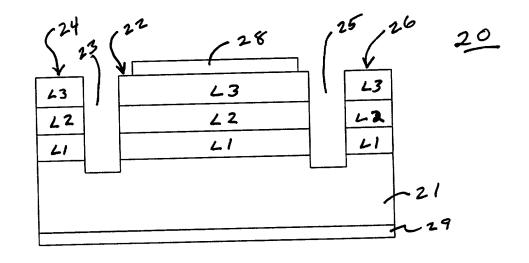


Fig. 2B



: Yong MA 3 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Fig. 3A

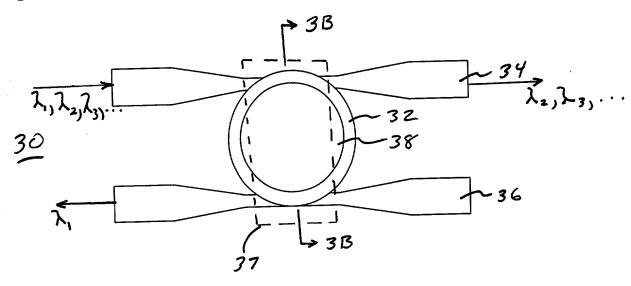
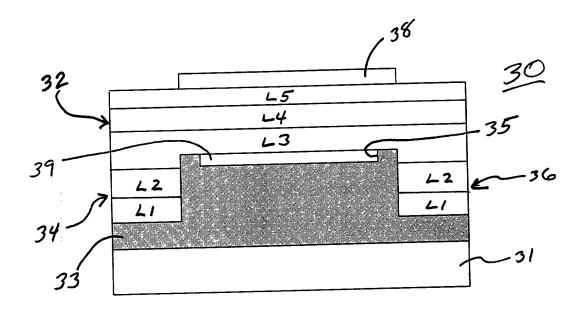
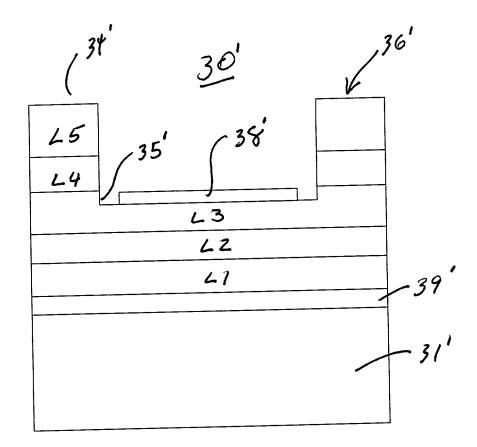


Fig. 3B



Yong MA 4 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

FIG. 3C



Yong MA 5 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Fig. 4A

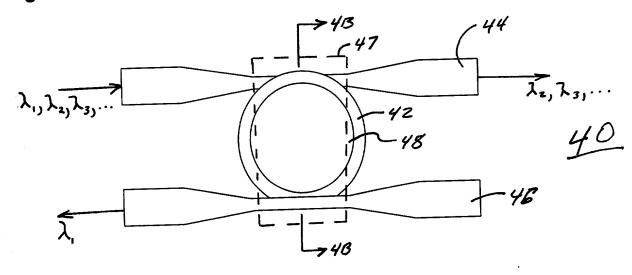


Fig. 4B

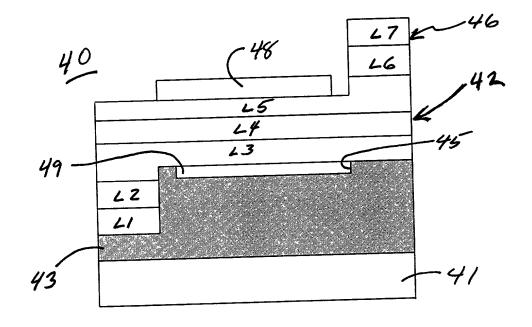
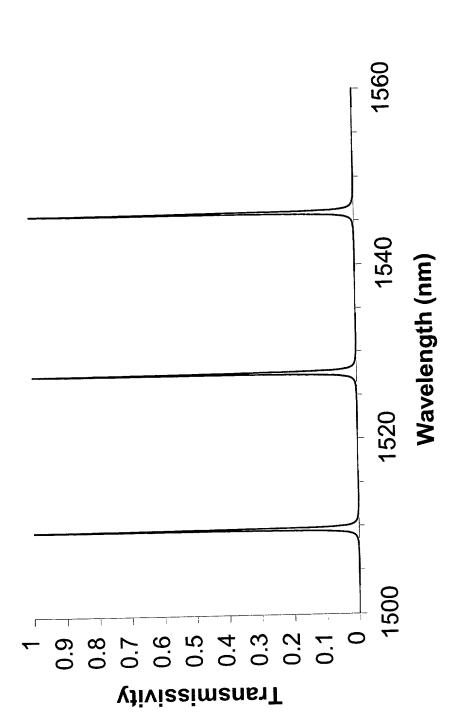


Fig. 5



INVENTOR(S): PAGE Atty Docket

Attorney Exp Mail No. Yong MA 6 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Yong MA 7 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Fig. 6A

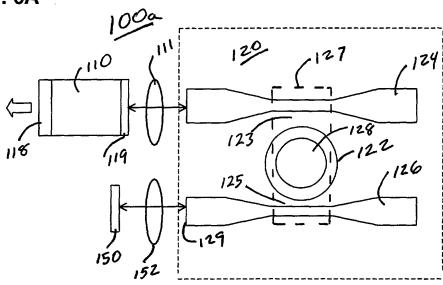
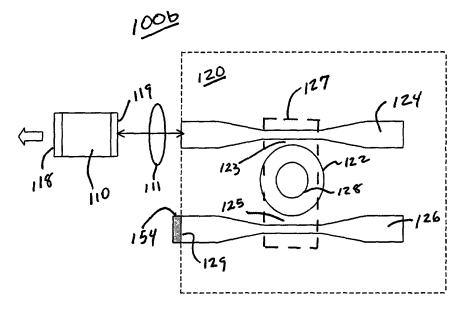
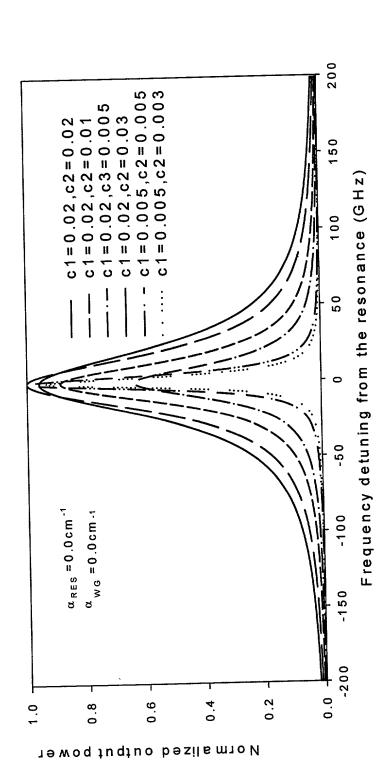


Fig. 6B

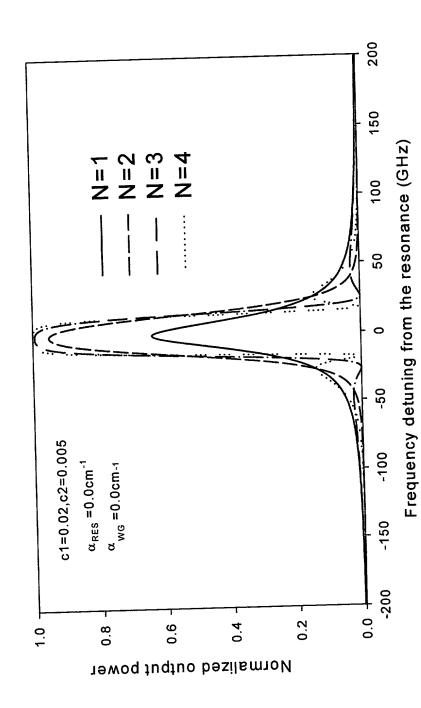


Imbalance coupling effect on single resonator output



Yong MA 8 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

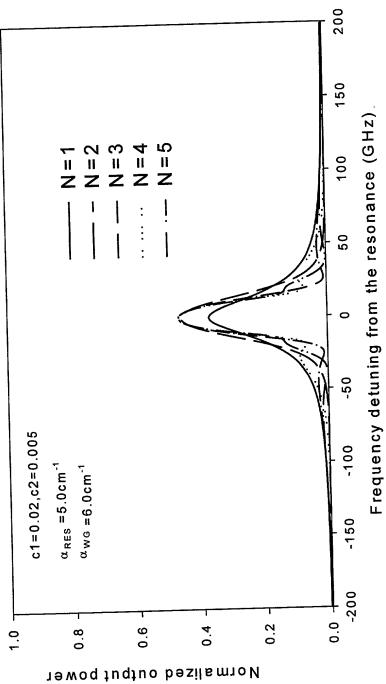
Multiple resonators



Yong MA 9 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

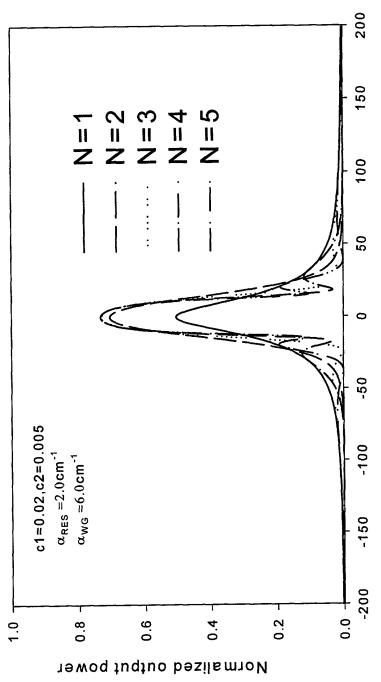
INVENTOR(S): PAGE Atty Docket Attorney Exp Mail No.

Multiple resonators



Yong MA 10 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

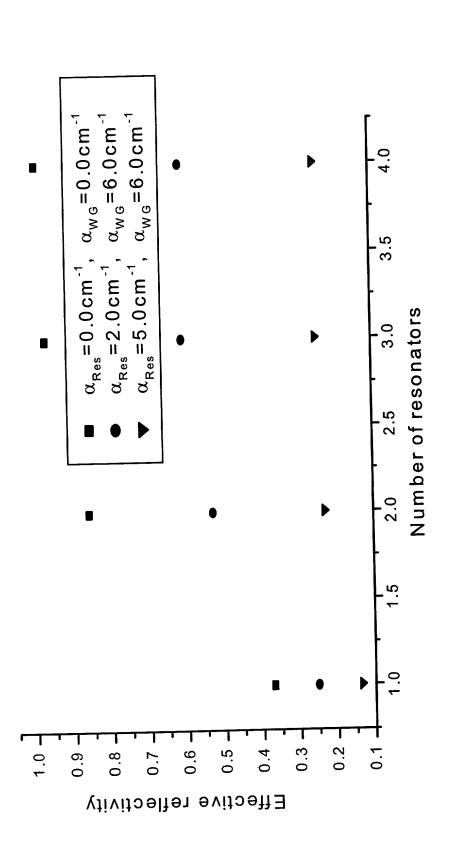
Multiple resonators



Yong MA 11 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

INVENTOR(S): PAGE Atty Docket Attorney Exp Mail No.

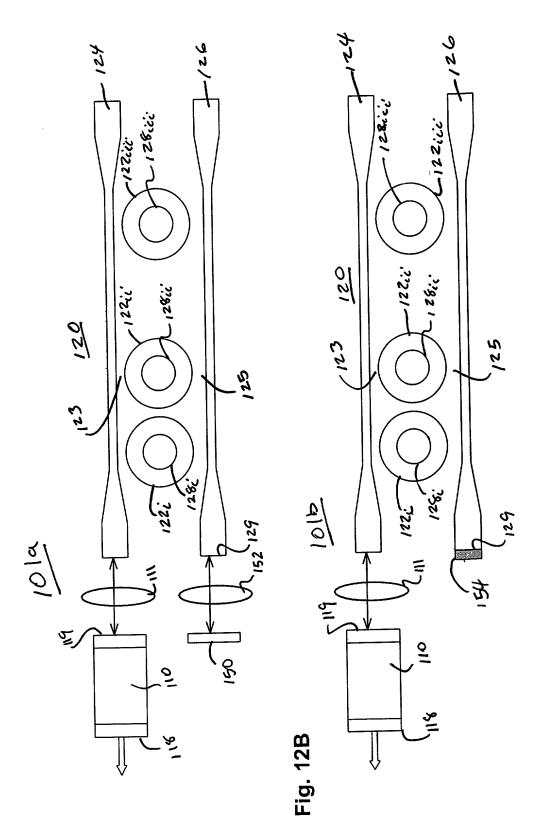
Frequency detuning from the resonance (GHz)



Yong MA 12 of 26 270/205 Lyon & Lyon K, Roberts (949) 567–2300 EV051624230US

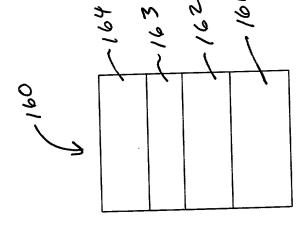
INVENTOR(S): PAGE Atty Docket Attorney Exp Mail No.

Fig. 12A



E/02/95/53008 K. Koperts (6/6) 567–2300 270/205 Lyon & Lyon 13 of 26 Yong MA INVENTOR(S):-PAGE Attorney Pattorney Exp Mail No.

Fig. 13A



E/06/1624230US 270/205 Lyon & Lyon 14 of 26 700/206 Lyon INVENTOR(S): PAGE Attorney Attorney Exp Mail No.

Yong MA 15 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Fig. 13B

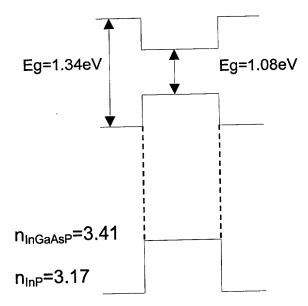
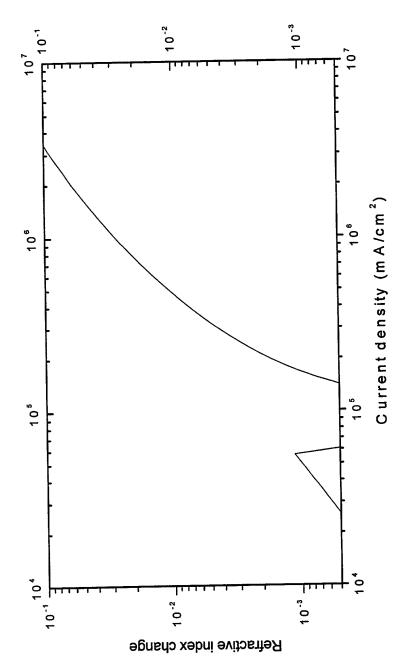


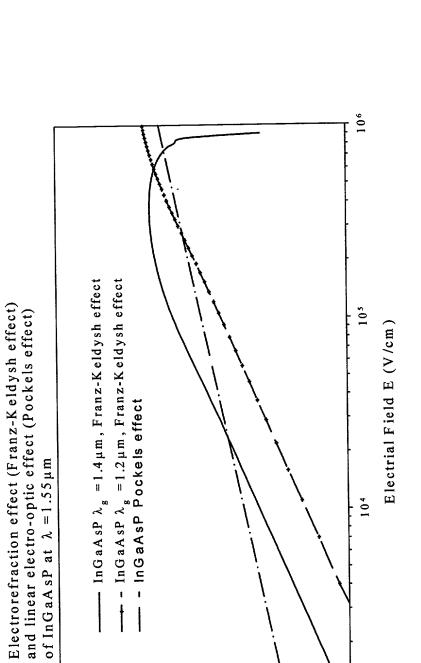
Fig. 13C

Refractive index change at  $\lambda$ =1.55 $\mu$ m

INVENTOR(S): PAGE Atty Docket Attorney Exp Mail No.

Yong MA 16 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US





10-<sup>7</sup> + 10<sup>3</sup>

10-5

10-4

10-3

Refractive index change

10-2

 $10^{-1}$ 

 $10^{\circ}$ 

10-e

Yong MA 17 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

INVENTOR(S): PAGE Atty Docket Attorney Exp Mail No.

Yong MA 18 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

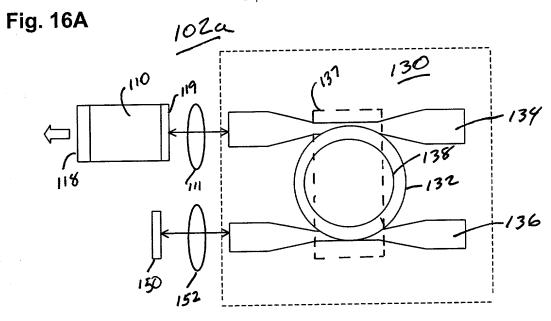
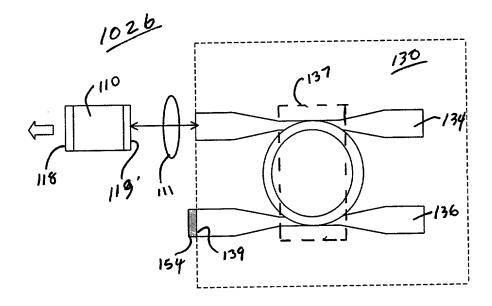


Fig. 16B



Yong MA 19 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Fig. 17A 103°

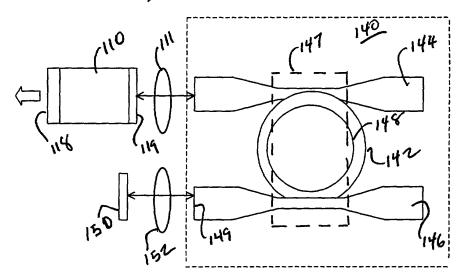
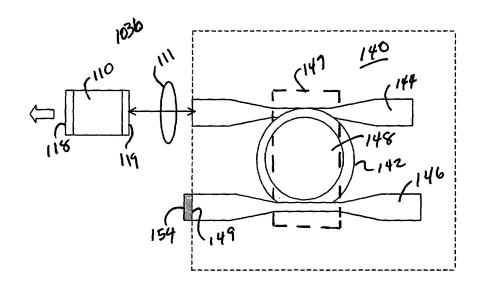
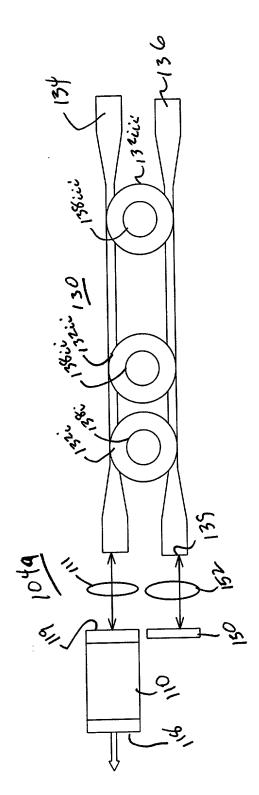


Fig. 17B



Yong MA 20 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US



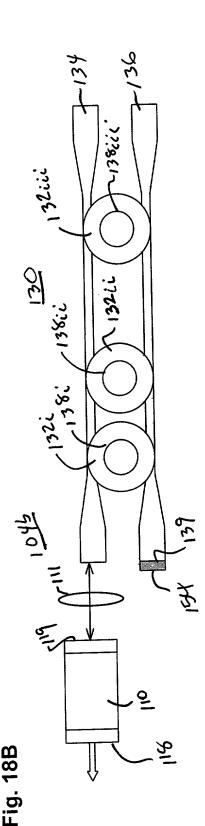
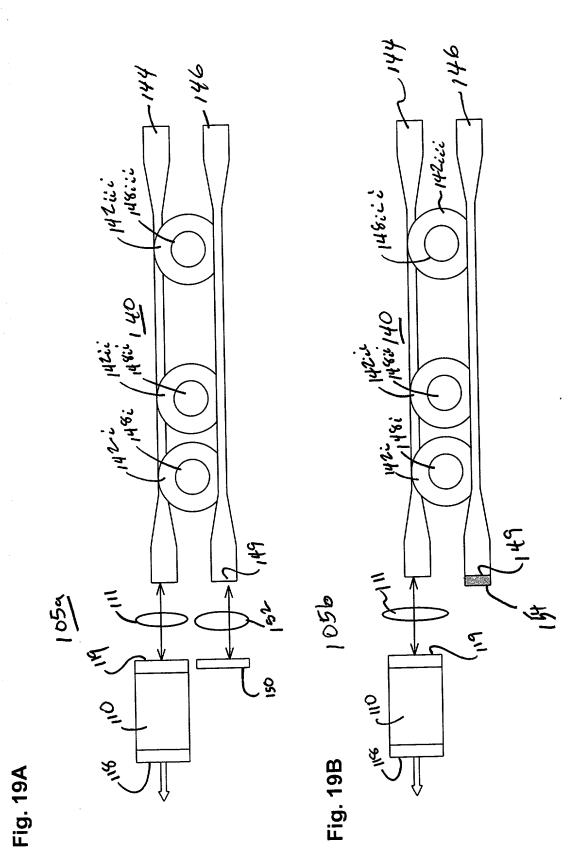
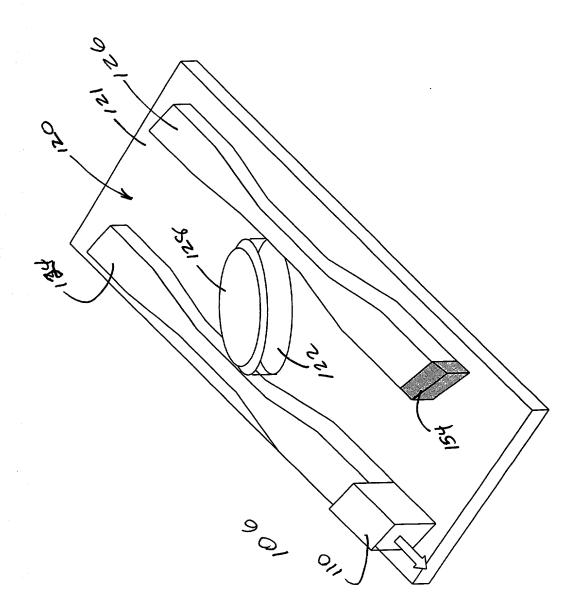


Fig. 18A

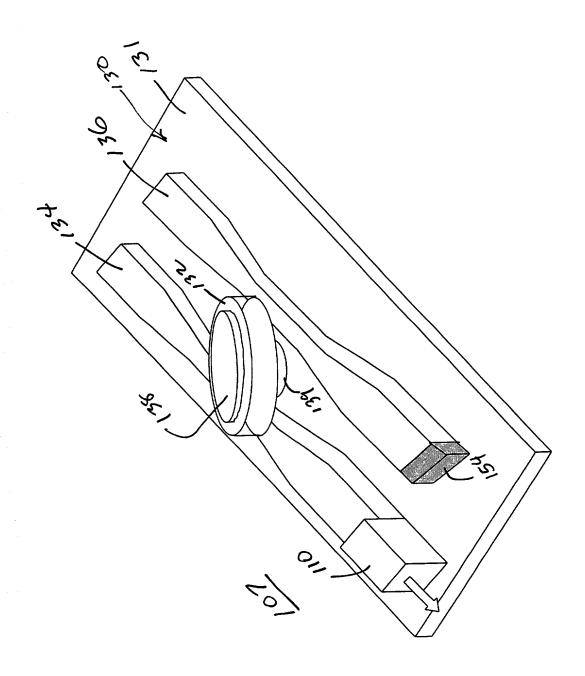
Yong MA 21 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US



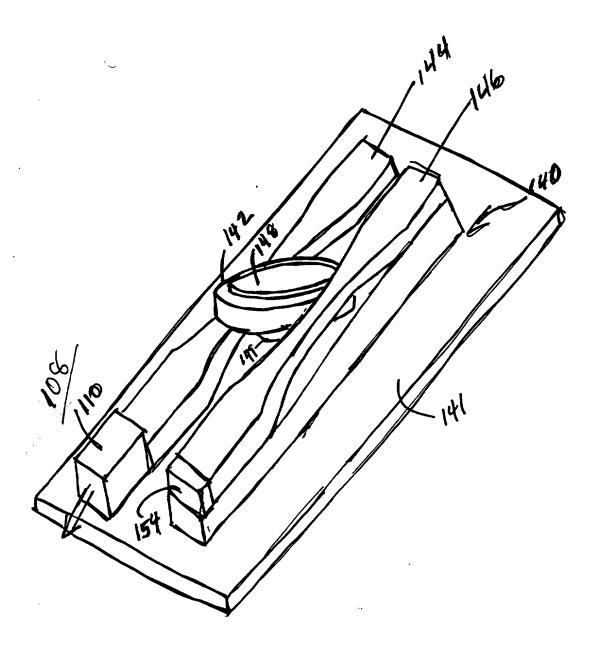
Yong MA 22 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 K. Roberts (949) 567–2300



Yong MA 23 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US



Yong MA 24 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US



INVENTOR(S): Yong MA

PAGE 25 of 26

Atty Docket Attorney K. Roberts (949) 567–2300

Exp Mail No. EV051624230US

Fig. 21 A

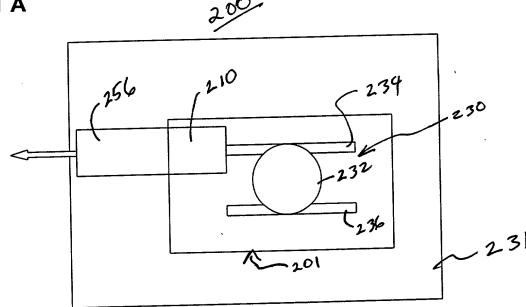
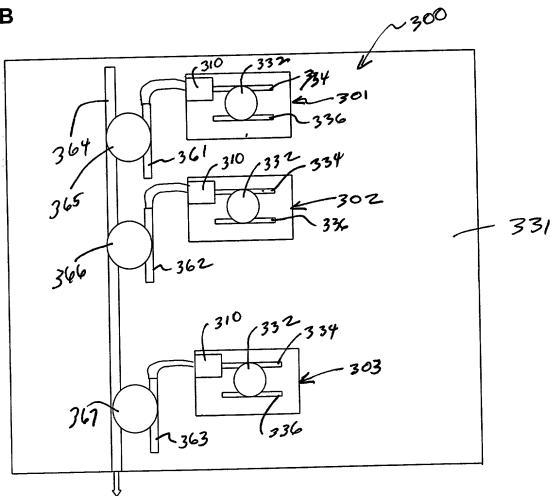


Fig. 21 B



Yong MA 26 of 26 270/205 Lyon & Lyon K. Roberts (949) 567–2300 EV051624230US

Fig. 22 A

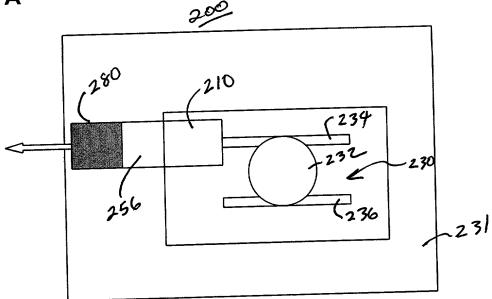


Fig. 22 B

